



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

MAR 12 2018

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Tennessee Department of Agriculture
Division of Regulatory Services
P.O. Box 40627
Nashville, TN 37204

Effective Date: June 1, 2018
Expiration Date: September 30, 2018
Report Due: March 30, 2019
File Symbol: 18TN01

Attn: John Ewell


The U.S. Environmental Protection Agency hereby issues a specific exemption under the provisions of Section 18 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended, to the Tennessee Department of Agriculture for the use of sulfoxaflor (CAS Reg. No. 946578-00-3) on cotton to control tarnished plant bug (*Lygus lineolaris*) in Tennessee. This specific exemption is subject to the conditions set forth in your request dated February 19, 2018, as well as the following conditions, modifications and restrictions:

1. The Tennessee Department of Agriculture (TDA) is responsible for ensuring that all provisions of this specific exemption are met. TDA is also responsible for providing information in accordance with 40 CFR 166.32(b). Accordingly, a report summarizing the results of this program must be submitted to EPA Headquarters and the EPA Region 4 office within 6 months following the expiration of this exemption or prior to requesting a subsequent specific exemption for this use. In accordance with 40 CFR 166.32(a), these offices shall also be immediately informed of any adverse effects resulting from the use of this pesticide in connection with this exemption.
2. The registered product, Transform[®] WG Insecticide (EPA Reg. No. 62719-625, containing 50% sulfoxaflor), manufactured by Dow AgroSciences, may be applied. All applicable directions for use, restrictions, and precautions on the EPA-registered product label including Worker Protection Standards must be followed, as well as those outlined on the Section 18 use directions submitted with your request, unless otherwise modified in this authorization document.
3. Foliar applications may be made by ground or air at a rate of 1.5-2.25 oz. of product (0.047-0.071 lbs. a.i.) per acre. A maximum of 4 applications may be made per year, but no more than 8.5 oz. of product (0.266 lbs. a.i.) may be applied per acre per year.

4. To minimize spray drift and potential exposure of bees when foraging on plants adjacent to treated fields, applications are prohibited when wind speeds are above 10 miles per hour (mph).
5. Retreatments are prohibited within 5 days of application. A pre-harvest (PHI) of 14 days and a restricted entry interval (REI) of 24 hours applies to all applications.
6. A maximum of 285,000 acres of cotton fields may be treated in Tennessee.
7. **Environmental Hazards Statement:** “This product is highly toxic to bees exposed through contact during spraying and while spray droplets are still wet. This product may be toxic to bees exposed to treated foliage for up to 3 hours following application. Toxicity is reduced when spray droplets are dry. Risks to managed and native pollinators from contact with pesticide spray or residues can be minimized when applications are made before 7:00 am or after 7:00 pm local time or when the temperature is below 55 degrees Fahrenheit (°F) at the site of application.”
8. **Advisory Pollinator Statement:** “Notifying known beekeepers within 1 mile of the treatment area 48 hours before the product is applied will allow them to take additional steps to protect bees. If known apiaries are within one mile of cotton fields intended for treatment, applications should be made before 7:00 am or after 7:00 pm local time during the flowering period. Growers are advised to refer to and, where feasible, observe the cooperative standards outlined in the Tennessee Conservation Program for additional guidance and bee conservation stewardship efforts.
9. This specific exemption expires September 30, 2018.
10. Applications made in accordance with the above provisions are not expected to result in combined residues of sulfoxaflor, including its metabolites and degradates, in or on cotton commodities in excess of the following existing tolerances at 40 CFR 180.668(a): cottonseed subgroup 20C at 0.20 ppm; cotton, gin byproducts at 6.0 ppm; cotton, hulls at 0.35 ppm. The Agency has determined that these levels are adequate to protect public health.
11. This is the fifth year that TDA has requested a Section 18 emergency exemption for the use of sulfoxaflor on cotton to control tarnished plant bug. In the event that TDA requests this use pattern next year, the EPA has made a preliminary determination that this use is eligible for a streamlined application under the recertification program (40 CFR 166.20(b)(5)) in 2019.

Any future correspondence regarding this exemption should refer to file symbol 18TN01.

If you have any questions regarding this authorization, please contact Emergency Response Team member Tamica Cain (703-347-8110; cain.tamica@epa.gov) or the Acting Emergency Response Team Leader, Nikhil Mallampalli (703-308-1924; mallampalli.nikhil@epa.gov).



Michael L. Goodis, Director
Registration Division
Office of Pesticide Programs

Date: March 12, 2018

cc: Phillip Beard, USEPA Region 4
Patricia Livingston, USEPA Region 4 Pesticide Tribal Coordinator